## PHILCO

## NEWS



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DECEMBER 1961



Portugal Spain "FELICES PASCUAS"

Germany "FRITEHLICHE WEIHNACHTEN"

Denmark "GLAEDELIG JUL" Holland "HARTELIJLE KERSTGROETEN"





However you say it, it is still
"Merry Christmas!" Above are
the ways the season's greetings
are extended in countries to
be visited on the Philco
Employee Vacation trip
next summer.

OUR COVER THIS MONTH is by the Graphic Arts Department at Plant 54.

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# PHILCO EMPLOYEES' JET AGE TOUR TO CAPITALS AND RESORTS OF EUROPE TO BE EXPANDED IN '62

Travel minded Philco employees and their families will be able to pick and choose from four European tour plans offered them for the 1962 summer vacation period.

These tours, like the preceding three, will be an all expense, trouble free trip. They will be of 17 days duration with sight seeing, entertainment and leisure for shopping and individual activities in exotic and far off places.

The first tour will be to England, France, Switzerland, Italy. Principal cities to be visited are London, Paris, Lucerne, Venice, Florence, Rome. An optional extension to this tour will be an excursion to Naples, Pompeii, Amalfi, Sorrento and Capri. This is the same trip so successfully run the last two years. By popular request, it will be repeated.

The second tour will be to Portugal, North Africa, Spain and France. Lishon, Casablanca, Tangier, Seville, Granada, Madrid and Paris will be the cities visited.

Tour 3 will be to England, Holland, Germany, Switzerland, France. Cities to be visited on this tour are London, Amsterdam, Cologne, Heidelberg, Lucerne, Zurich, Paris.

The Scandinavian tour will be number four and will feature visits to England, Norway, Sweden, Denmark, Holland and France. London, Bergen, Oslo, Stockholm, Copenhagen, Amsterdam and Paris will be the cities included on this tour.

In addition to offering four itineraries above, those who want to make only the jet portion of the trip will be offered a modified holiday plan. The air round trip is from New York to London and from Paris to New York. Fare for this will include a night's lodging on the day of arrival and on the day preceding the return flight. The price will be \$365, which includes flight insurance of \$25,000.

The price of each tour will be \$695 and includes all expenses involved in transportation from Philadelphia and return; food and lodging at first class hotels (two to a room with private bath); sight-seeing with English speaking guides, and many special entertainment features. An additional charge of \$47 (up \$12 from last year) will be made for those taking the extended tour to Naples-Capri.

A minimum of 30 people is necessary in order to run any one of the four trips. So get your group together and let's get started.

Since considerable planning goes into making arrangements for these tours it will be helpful if you make an early decision about going on the trip. If a financial problem is involved you may arrange to pay for your never to be forgotten trip through payroll deduction. Your personnel department is prepared to tell you about this. Or you may call Mark Lutz, Plant 2, Extension 5329 for additional details and itineraries for the tours.



Mrs. Adelaide Fellows, director of Philco
Home Economics, demonstrates the proper
use of the Roastmeter for that holiday
turkey. The Roastmeter—which takes the
guesswork out of cooking—is placed in
the center of the bird, without touching
any bone structure. It will automatically
cook to the proper degree of rare, medium
or well done. This double oven range
has a 40" compartment as well as a
Quick Chef oven for small servings and
the luxury feature of smakeless brailing
with Brail-Under-Glass. Joan Baran,
Agnes Haller and Rosemary Loughran
are interested onlookers.



## FOR YOU, TOO,





Nothing like pancakes for a holiday breakfast! Use of Philco's Jiffy Griddle is shown here.

This cordless controlled-heat griddle plugs into a special outlet on the control panel. It provides even, thermostatically controlled heat—perfect for eggs, bacon . . . as well as pancakes provides even, thermostatically controlled heat—perfect for eggs, bacon . . . as well as pancakes and other pan fried foods. It is immersible for easy cleaning. Jean Stadfeld pours batter and other pan fried foods. It is immersible for easy cleaning. Waiting to toste the cakes are (above) with Betty Mascitti standing by to turn the pancake. Waiting to toste the cakes are Rosemary Loughran, Joan Baran, and Agnes Haller.

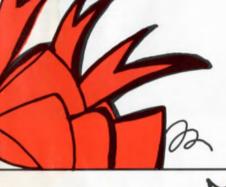


Many holiday foods, such as salads, desserts and juices, can be prepared ahead of time and kept cool for the holiday meal. Joan Baran removes food from the Air Wrap compartment which keeps food fresh longer than ever before in a refrigerator. Jean Stadfeld and Rosemery Loughran busy themselves in the dessert department and in the foreground Agnes Haller and Betty Mascitti wrap cakes.

Maureen Hickey, assistant to Mrs. Fellows, demonstrates the temperature control for baking. From the Master Oven Control she selects the proper temperature for pies.

Jean Stadfeld and Betty Mascitti are apt pupils.

No last minute problem with desserts and other food that may be frozen when there is a Philco freezer in the home. The girls are shown with a variety of holiday delicacies which are easily prepared and frozen. Agnes Haller places a cake in the freezer while Rosemary prepares a salad tray for the freezer. Joan Baran is at the right.



## HERE'S....

Prior to the holiday season five members of the Administrative Services visited the Philco Home Economics Center in Plant 2 to obtain from Mrs. Adelaide Fellows, its director, and her staff, some useful information on menus and the preparation of foods for the coming holidays. The visitors were Rosemary Loughran, Joan Baran, Betty Mascitti, Jean Stadfield and Agnes Haller.

Shown here are the photos made in the Home Economics Center—in itself a showplace. It is used as a test center for all appliance products, sales training for field people, and is a fascinating attraction for many visitors.



Another holiday "luxury" is the easy job of washing soiled clothes and tea towels with the Philco Duomatic combination washer-dryer. Jean Stadfeld places an apron in the "Duo" while Clara Louise Gibson, laundry specialist in the Home Economics Center, (right) offers a few words of advice to the visitors. Jean can be sure clothes will be thoroughly washed and properly dried to her own selected degree of dryness in the Philco combination. Observing are Joan Baran, Betty Mascitti, Rosemary Loughran and Agnes Haller. Holiday hint: Children's small toys—such as stuffed animals—can be washed and fluff dried like new in the Duomatic.

Time out from holiday cooking instructions is taken by the Philco girls with a coffee snack. The handy party tables used are from the Tele-Stand ensembles offered with Philco Compact TVs like model 3722 shown. Clockwise are Betty Mascitti, Agnes Haller, Jean Stadfield, Joan Baran, Rosemary Loughran.









Philco's latest entry in the portable TV field—the Black Beauty. This 19" model features the industry's newest design (a pyramidal profile) and a console chassis with Philco's exclusive Vivid Vision picture reception.



A special plaque from Mayor Dilworth is presented to Miss America by Abe Rosen, deputy city representative, at a news conference.



Radio greetings to listeners of WIBG are given by Miss America under the direction of the station's Bill Wright, also at the news conference.

# America's First Visit to Philadelphia

A Pictorial Sampling of Her Itinerary for the Two-Day Visit

Philco President James M. Skinner, Jr., and Miss America attend the Air Force Association luncheon in Convention Hall where Miss Fletcher is presented to members of the Association and their guests.

Miss America is introduced by Arthur Godfrey (left, by flag) at the Air Force Association Convention luncheon. Air Force Chief of Staff General Curtis E. LeMay was speaker of the day.









Four Philco research staff members stand watch on levels of the Division's microwave antenna tower in Blue Bell, Pa. The 100-ft. structure's four levels are designed to accommodate transmitting equipment for simultaneous transmission of narrow microwave beams to the new Philco Research Center located eight-tenths of a mile to the southeast. Study and evaluation of experimental radar antennas is an important activity of the Microwave Techniques Section of the division.

# PHILCO PLANS CHAIN OF 'SUNSHINE CENTERS'

A major move in the booming "do-it-yourself" dry cleaning and laundry centers—a multi-billion dollar a year consumer service—is reported by Philco.

This move by the oldest self-service laundry center organization in the world is the plan to establish a nationally-identified chain of Philco-Bendix "Sunshine Centers" throughout the United States within the next 5 years. These nationally-known centers will offer the consumer full laundry and dry-cleaning service.

The 'Philco-Bendix Sunshine Centers' franchises will be sold as a complete package, including the building, the products and the promotion.

With the coin operated dry cleaning machines added to washers and dryers, a greatly expanded market presents new opportunities for franchised operators under the Philco Plan. The key to the Sunshine Centers' will be their easy identification as a national symbol of coin operated dry cleaning and laundry stores.

Prior to the new Philco plan, operators of self service laundries identified their stores on a hit and miss basis and with little or no national promotion aimed at identifying them as a member of a national group.

The dry-cleaning and laundry centers will be backed by national advertising and promotions and by easy store identification. All stores will carry the same type architectural appearance and the colors for the stores will be blue and yellow—even the coin operated dry cleaners, automatic washing machines and clothes dryers will be in color.

## Recent PHILCO Patents

During the months of OCTOBER and NOVEMBER the following patents were issued:

Method of Providing Connection to Semiconductive Structures	C. G. Thornton	3,002,271
Cooking Range	J. E. Harris, Jr. A. E. Cullen	3,004,132
Multiple Temperature Refrigerator	M. H. Devery	3,005,321
Method of Applying on Electroconductive Film to a Vitreous Surface	P. D. Payne, Jr.	3,005,731
Method of Fabricating Semiconductor Devices Comprising Cadmium-Containing Contacts	G. L. Schnable	3,005,735
Transmitter for Stereophonic Information Signals	R. C. Moore E. M. Creamer, Jr. H. B. Collins, Jr.	3,007,005
System for Testing Semiconductor Devices	E. R. Kreinberg	3,007,113
System for Transmission and Reception of Binary Digital Information	J. T. Warnock	3,008,124
Directive Antenna System	G. P. Weimar, Jr.	3,009,154
Control Device	G. J. Kennedy W. A. West	3,009,438
Cabinet Structures	W. G. Fisher	3,010,776



High-flying Philadelphia Eagles Theron Sapp, left, and Don Oakes, tune a Philo Model 914 AM-FM radio given to the World Champion professional football team. Halfback Sapp doubts, though, that music from the streamlined radio will do much "to soothe the savage beasts," at least not on the gridiron.

Secretary of the Army Elvis J. Stahr (center) is shown with G&I's Ray Connell (left) and TechRep's Herman Hurst at the Philco display during the recent Washington convention of the Association of the United States Army.





Dr. Marcel J. E. Golay, consultant to Philco Research Division, was honored early in September in receipt of the Distinguished Service Award from the Instrument Society of America. The \$500 award, including plaque and citation was given in recognition of Dr. Golay's achievements in the field of radiation detection, infrared spectrometry, gas chromatography, nuclear magnetic resonance and "particularly for his original and highly significant research and development of chromatograph tubular columns, enabling chemical analysis never before accomplished by any analytical means." Dr. Golay has recently accepted a professorial appointment at the Technical University of Eindhoven, The Netherlands.



## PHILCO REVEALS RECOGNITION CAPABILITES

Philco's newly-formed Data Recognition Department is developing electronic equipment that can "read" more rapidly and yet never tire as would a human.

It is designed to read addresses and sort up to 36,000 envelopes per hour according to state, city and zone.

Philco is also working on similar systems that can provide for automatic warehousing control, tell the difference between music composed by Bach and that written by other composers—and even learn.

Allen C. Munster, general manager of the new department, told newsmen about these unusual capabilities at a recent press conference at the Philco Research Center in Blue Bell.

Philco also revealed that the Data Recognition Department has been awarded an \$804,185 follow-on contract by the U. S. Post Office Department to continue development of an all-electronic machine to read and recognize printed and typewritten postal addresses on envelopes.

Basis of the new technology, which came about as a result of Philco's efforts in searching for an efficient color TV system, is a cathode ray tube which features an extremely accurate, ultra high speed ultra small scanning beam of light.

Philco researchers used the ultra precise beam to read printed words; the words are recognized by the difference in reflectivity sensed by photo cells. As the equipment scanned the letters, the signal output was caused to set up pulse patterns representative of the letters which were scanned. As part of this process, the scientists invented a means of electronically "cleaning up" the effects of dirty type or uneven typing.

Researchers then asked the question the answer to which was the big key to success—Are pulse patterns for the letter "A" the same regardless of type font or size?

The answer: Yes! Philco now has under development a unique all-electronic device that selects generalized letters of the alphabet which will be stored in a shift register unit. During the development of the device, a Philco 2000 computer is being used to design its parts. With a built-in electronic memory of the alphabet and numbers, the computer was capable of reading letters as is now being planned for the Post Office model.

The Post Office equipment will adjust for the height and width of the letters and is designed to read 60,000 characters per minute, sort mail for 50 states, and 250 cities and their postal zone.

The same principle will be applied to the reading of constrained hand printing where hand printed letters are written in specific boxes, one for each letter.

Inventory control equipment the Data Recognition Department is designing will read special coded symbols to provide rapid and automatic control. Information printed on paper tapes may be fed into a computer to give complete analysis of turnover of stock, how much of an item is still there, value of the stock, etc.

Dr. Augusto Gamba, professor of physics at the University of Genoa and consultant to Philco's Research Division, had the equipment "learn" the characteristics of Bach's works. The machine then recognized Bach's music from works by other composers by utilizing previous experience.



Allen C. Munster, general manager of the newly-formed Data Recognition Department, is seen looking at the letter "P" formed on the neon display at the top of the reader. The system's logic section and memory are located in the reader, a laboratory model of the equipment Philco Corporation is developing for the Post Office Department.



Chester P. Woodward, director of engineering for the department, is seen inserting a letter to be read by the scanner unit. The unit is capable of reading machine printed alphanumeric symbols. The flying spot beam which scans the letter is focused through the lens in the center and emanates from the cathode ray tube at the left.



Newsmen gather to hear John Chatten, of the Research Division, demonstrate a laboratory model of a print reader being developed for the Post Office by the newly-formed Data Recognition Department of the Government and Industrial Group's Communications and Weapons Division. The press conference was held the evening of Sept. 20, on the eve of the Air Force Association convention in Philadelphia.



Dr. K. C. Black, Philco consultant (r.) makes a point during conversation with Massachusetts Congressman S. Bradford Morse (l.) and Henry F. Argento, Philco vice president and G & I general manager, during opening of new G & I offices at Burlington, Mass., near Boston.



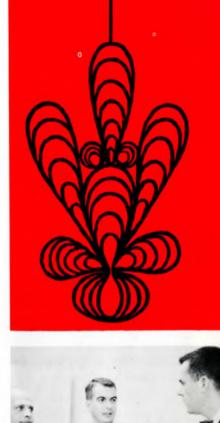
Massachusetts Congressman S. Bradford Morse (l.) tries to master an abacus under the watchful eye of Philco vice president Henry F. Argento during open house at G & I Group's new officces at Burlington, Mass.



Raymond C. Maude, a retired Air Force major general and now G & I Group's director of field operations chats with Brig. Gen. Arthur Salisbury, Commander of the Air Defense Command Liaison Detachment at L. G. Hanscom Field, Bedford, Mass., during Burlington open house.



Art Hill, director of Philco's new Advanced Systems
Department, welcomes Massachusetts Congressman
S. Bradford Morse during Burlington open house.
A native of Boston, Mr. Hill was formerly assistant to
the president of the MITRE Corporation.





### PHILCO OPENS NEW OFFICES IN BURLINGTON, MASS.

Philco held open house October 13 to show its new offices in the Northwest Industrial Park in Burlington, Mass.

The new quarters house the company's recently-formed Advanced Systems Department and the Northeastern Regional Office of the Government and Industrial Group. Some 300 military, business and government leaders, Massachusetts Congressman S. Bradford Morse among them attended the opening.

The 4,800-square-foot offices are located near the junction of Route 128 and the Middlesex Turnpike in the northern part of the park.

The Advanced Systems Department was formed in August this year to study military and civilian agency requirements in the intermediate range future in terms of Philco's capabilities. Arthur P. Hill, previously assistant to the president of the MITRE Corporation, is the director of the new department.

William J. Schoenberger is manager of the Northeastern Regional Office and Charles P. Kerber represents Philco's Computer Division sales and services in the New England area. All were formerly headquartered in Wellesley Hills, Mass.

They were joined at the opening by Henry F. Argento, Philco vice president and general manager of the Government and Industrial Group.

# Philco gives strong support to UF



Oscar T. Simpson (left), general manager, Philco Western Development Laboratories, watches as Charles Carney (right), United Fund in-plant chairman, turns contributions over to Ron Earl of the Palo Alto-Stanford chapter. WDL was the first large firm in that area to top its 1961-62 United Fund campaign goal. WDL had a goal of \$22,000 and Philco employees made contributions totaling \$30,709, representing 139 per cent of their campaign target. Employees made an average gift of \$21.21 per contributor with 63 per cent of the personnel participating.

Philco employees in the Philadelphia area, up to the time The Philco News went to press, had contributed a total of \$115,000 for the 1962 United Fund Torch drive. This amount will be augmented by late returns. The Company showed its continuing support of the United Fund concept by making a gift of \$122,000 to the fund.

Volunteer workers in each section of the Company's Philadelphia plants did their part in raising the money so necessary to the continued operation of the many community services covered by the drive. Anyone who failed, for any reason, to make an appropriate contribution and who wants to help the drive to a successful conclusion may send his pledge or contribution to the Company chairman, J. N. Hunsberger, Jr., Plant 2, Ext. 5080.

Your dollars help the 250 health and welfare agencies of the Greater Philadelphia area within a four-county community. These agencies serve over 1,000,000 persons—one out of every three individuals in the area. USO alone served tens of thousands of men and women in the Armed Forces, who last year made 1,000,000 visits to centers. Countless other men, women and children benefited directly or indirectly from agency information and research.

TechRep workers on the United Fund campaign meet at Plant 3 headquarters to hear Sam Webb, general manager of the Division, and Herbert N. Johnson, captain, outline the campaign to be conducted in that division. A film illustrating the work done with the money contributed by Philco employees and others in the city was shown.



United Fund captains and some of the solicitors in the headquarters area gather in the Home Economics Center in Plant 2 where they hear a talk on how to conduct the campaign by J. N. Hunsberger, Jr., Company chairman.





"ELECTRONICS" author, Charles Comeau of the Philco Research Devision,
Blue Bell, accepts \$100 check from the magazine, as offered by Publications
Committee Chairman Clyde Baker. An article, "Headsight Television System",
co-authorized by Research Section Manager James Bryn, appeared as cover
story in the October 27 issue of the McGraw-Hill magazine. Equipment
described in the article is also pictured.

#### BARBER-COLMAN COMPUTER DELIVERED

Philco Corporation has delivered a 2000 Series Computer to Barber-Colman Company in Rockford, Illinois.

Barber-Colman officials, while inspecting their computer in Philco's Computer Center, said that the Philco computer system would provide for all of their company's present business data processing needs. Barber-Colman officials stated that the equipment will also provide ample reserve capacity for future applications.

During last month's visit here, Chester J. Braatz, Barber-Colman vice president, said that "our visit has confirmed our initial belief that this electronic data processing system with its unprecedented speed, will enable our company to respond much faster to production demands and meet customer's needs more quickly. We can look forward, too, to many solutions to management problems which heretofore were next to impossible in our research and development work."



Clarence E. Burke, right? general manager, of the Computer Division, is seen with H. Robert Mather, marketing manager, inspecting Barber-Colman Company's new Philco 2000 Computer just before it was shipped to the Rockford, Ill., firm's headquarters.

### WHAT'S YOUR ADDRESS?

On your list of New Year's resolutions should be one to see that your Personnel Department has your correct address. It is highly important that the Company has your correct address. If you make a change in residence, you should immediately go to the Personnel Department to have a change of address form filled out. This takes only a little of your time, but it saves a great deal of time for others who may find it necessary to get in touch with you. It is you, in the long run, who benefits from keeping your personnel records up to the minute. Changes of marital status or of increases in your dependencies should also be reported to your Personnel Department.

#### DO YOU HAVE A WILL?

(An article specially prepared for the Philco News by the Philco Legal Department)

Would you permit an outsider to spend your hard earned money as he saw fit? Would you permit him to live in your home, share your checking account, spend your savings and use your car?

If you die without a will you are taking that chance. If you do not direct how your property should be disposed of after you die, the law will distribute your property for you. Such distribution may not be in accordance with your wishes. Some of you are perhaps saying to yourself why should I make a will I have nothing of value. Let us assume that you have no money in the bank! no car; no war bonds; only a job. You, nevertheless, have some earning potential and some life expectancy. For example, if you should be run down by a truck on the way out of the house tomorrow morning one of your relatives would have the right to sue the owner of the truck, and to recover a substantial sum based upon your earning potential, your life expectancy, your pain and suffering, your hospital bills, funeral expenses and the circumstances of the persons dependent upon you. To whom do you want

this is determined for you.

Those of you who do have some property have even more reason to make a will. Do you realize that if you have a wife and two children or more and die without a will your wife will receive only ½ of your property and before she can receive even this ½, a special guardian must be appointed and the sale of your home and other property must be ap-

this sum to go? Unless you have made a will, all

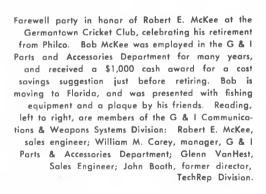
proved by the Orphans' Court?

If you die without a will your wife will be forced to shoulder the responsibilities of administering your estate. Various administration expenses can be avoided by the making of a will. Those of you who have already made a will ask yourselves these questions. Is it up-to-date? Does it reflect your wishes in case you should die tomorrow? For example, do you now have more children, or have your children all grown up since you wrote your will? Finally, when you make your will or revise your will consult a lawyer. He can advise you on how to write a will which will really provide for those close to you. Much expense and hardship has resulted from "homegrown" wills.

A testimonial portfolio containing a letter of tribute from President James M. Skinner, Jr., and the signature of her friends and associates in Philco, is displayed by Frances Ryder, the recipient, and William R. Wilson, vice president—finance and treasurer of the Company. Miss Ryder retired November 30 after many years of service. A testimonial dinner was given Miss Ryder, Corporate assistant cashier, at Germantown Cricket Club on November 17.



Best wishes for the years of leisure ahead are extended Maria Curran by her supervisor, Ed Wirsu, as fellow workers in Dept. 43-509 look on at a farewell party in Plant 10. Maria has been with the Company for thirty years. At the time of her retirement she was a check inspector with the TV tuner department.





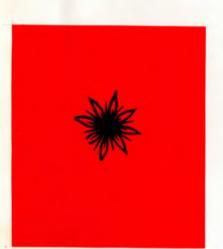




Olivery EARS AHEAD....



Victor S. Gittens, Engineering, Plant 2, received a special service citation for outstanding service to the Standards Engineers Society at its recent annual meeting. He was cited for having given generously of his time and talents and contributing to the growth and development of the society. Mr. Gittens was instrumental in organizing the Philadelphia section of the society and was its first chairman. He has also served as treasurer of the society.





George Wetzel, known professionally as Todd Richards, has been a member of Dept. 43-503 since August of 1960. Prior to coming to Philco George had been in show business starting with summer stock in 1956. During 1957 he appeared on radio, television, at supper clubs, theatres, hotels and night clubs. In 1958 George recorded "Gamblin' Heart" for Mercury Records and appeared with Dick Clark on his "Band Stand" show. The following year he recorded "Heart of a Clown" and "Teenage Tears." During his singing career George has appeared with Fabian, Bobby Rydell, Kitty Kallen, Tommy Edwards and Johnny Tillotson.







Philco-ites had a special interest in the November 12 performance of the Delaware Valley Philharmonic Orchestra when a fellow employee, Walter Pfender, of Dept. 43-503, was quest soloist. Walter's mother, Peggy Pfender, is also in Dept. 43-503, as is his aunt, Anne Johnson. His father, William, mother, brother, William, Jr. and aunt are still active members of the Quaker City Varieties, U.S.O. entertaining our armed forces and have appeared overseas entertaining our servicemen. Walter, has played first piano in Wiesbaden, Germany, with the Wiesbaden Symphony Orchestra while studying at the Wiesbaden Conservatory, has studied with the Julliard School of Music in New York and at the Syracuse Conservatory. He made his debut as soloist with orchestra in 1956 with the Delaware Volley Philharmonic Orchestra. Walter played Rachmaninoff's Piano Concerto No. 2 with the Orchestra on November 12 in the Woodrow Wilson High School at Levittown, Penna.



Bendix Home Appliances, Limited, Philco Licensee in Britain, exhibited commercial laundry at the recent Moscow Fair. The Bendix representatives are R. Spencer, commercial manager; R. N. J. Hanslip, export sales manger, and J. H. White advertising manager, beside the Launderette unit. As part of the exhibit, the Company installed a moving conveyor system to demonstrate the Bendix manufacturing process.

PHILCO CORPORATION

TIOGA AND C STREETS PHILADELPHIA 34, PA.



### RECOGNITION, AND MONEY, TOO!

Our Suggestion Plan pictures this month reflect Philco operations in California, where employees of Western Development Laboratories and the Sierra Electronic Corporation are making full use of our constant "Search for A Better Way." The two groups have generated a total of 366 suggestions in the first ten months of this year. Throughout Philco-Corporation, total awards paid in 1961 exceed \$18,000. The lasting benefit of having your ideas adopted is the RECOGNITION you earn from your associates, your supervisor and your division head. In addition, you receive some cash, and gain the satisfaction of seeing an idea of yours being put into effect.

Whether you work in sunny California or one of our other locations, you have a continuing chance to earn recognition and money by suggesting a better method of doing work. How long since YOU submitted a suggestion?



U. S. POSTAGI

BULK RATE

Willard Feldscher, vice-president and general manager of the Sierra Electronics Division, presents a check for \$250 to Frank Zeljak, machine shop specialist, for his awardwinning idea for making loops inch copper tubing without forming kinks.

